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Release notes

Last updated 2025-05-21

Use the release notes to learn about the latest changes to the documentation that are grouped by month.

Tip: Looking for IBM Cloud status, platform announcements, security bulletins, or maintenance notifications? See [IBM Cloud status](#).

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21 May 2025

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

20 May 2025

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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15 May 2025

New! Montreal multizone region

You can now [create VPC clusters](#) in [Montreal](#).

In this MZR, you can only create clusters at version 1.31 and later clusters and can only use Ubuntu 24 work nodes.

Also note that in this MZR, only webhooks that access an in-cluster service work. Webhooks that directly access an external, out of cluster, URL are blocked.

The default installation method for Portworx Enterprise and Portworx Backup is not yet supported for private-only clusters in the Montreal region. Contact Portworx Support if you need to install Portworx Enterprise or Portworx Backup in a private-only cluster in Montreal.

For more information, see [Portworx Support](#).

09 May 2025

VPC Block CSI Driver cluster add-on patch updates.

For more information, see the [change log](#).

07 May 2025

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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[Version 1.31 change log](#)

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Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

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[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

## April 2025

## 30 April 2025

IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.32 change log](#)[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

## 29 April 2025

Istio add-on patch updates.

For the latest patch information, see the [change log](#).

## 27 April 2025

ALB OAuth Proxy cluster add-on patch updates.

For more information, see the [change log](#).

## 24 April 2025

IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

## 22 April 2025

Cluster autoscaler add-on patch updates for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

## 08 April 2025

IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

## 07 April 2025

Ingress ConfigMap change log updates

Updated the [Ingress ConfigMap change log](#).

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Ingress ConfigMap change log updates

Updated the [Ingress ConfigMap change log](#).

02 April 2025

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

01 April 2025

**Creating Ubuntu 20 clusters or worker pools in cluster versions 1.29 - 1.31 is no longer supported.**

For cluster versions 1.29 - 1.31, you can no longer provision new clusters or worker pools with Ubuntu 20 worker nodes. Ubuntu 20 is deprecated and support ends soon. If you have existing worker pools that use Ubuntu 20, migrate those worker pools to Ubuntu 24 as soon as possible. For more information, see [Migrating to a new Ubuntu 24](#)

March 2025

27 March 2025

IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

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25 March 2025

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

24 March 2025

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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17 March 2025

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

13 March 2025

CLI version 1.0.687 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

ALB OAuth Proxy cluster add-on patch updates.

For more information, see the [change log](#).

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## ALB OAuth Proxy cluster add-on patch updates.

For more information, see the [change log](#).

11 March 2025

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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## Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

10 March 2025

## Cluster autoscaler add-on patch updates for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

05 March 2025

## Version 1.32 is now the default version for IBM Cloud Kubernetes Service.

For a complete list of available versions, see the [version information](#).

## Migrating from the Observability plug-in to IBM Cloud Logs

Support for the Observability plug-in ends on 28 March 2025. Review and complete the migration steps before support ends. For more information, see [Migrating logging and monitoring agents to Cloud Logs](#).

04 March 2025

## Istio add-on patch updates.

For the latest patch information, see the [change log](#).

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26 February 2025

## Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

24 February 2025

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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19 February 2025

## IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to

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IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

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Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

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17 February 2025

CLI version **1.0.679** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

Block Storage for VPC cluster add-on patch updates.

For more information, see the [add-on change log](#).

12 February 2025

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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11 February 2025

CLI version **1.0.677** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

10 February 2025

**New! Worker node flavors with H200 GPU support are available on an allowlist basis for VPC clusters.**To request access to the allowlist, see [Requesting access to allowlisted features](#).For a list of available worker node flavors for VPC clusters, see [VPC flavors](#).

06 February 2025

Static Route cluster add-on patch updates.

For more information, see the [change log](#).

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IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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29 January 2025

**New! IBM Cloud Kubernetes Service version 1.32.**You can now create or [update clusters to Kubernetes version 1.32](#). With Kubernetes 1.32,

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29 January 2025

## New! IBM Cloud Kubernetes Service version 1.32.

You can now create or [update clusters](#) to Kubernetes version 1.32. With Kubernetes 1.32, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

28 January 2025

## Istio add-on patch updates.

For the latest patch information, see the [change log](#).

24 January 2025

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

23 January 2025

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

13 January 2025

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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08 January 2025

## Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

06 January 2025

## IBM Cloud Kubernetes Service worker node fix packs are available.

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## IBM Cloud Kubernetes Service worker node fix packs are available.

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## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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## 11 December 2024

## Block Storage for VPC add-on versions 5.1.31\_656 and 5.2.26\_657 .

For more information, see the [add-on change log](#).

## IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## Storage Operator cluster add-on patch update.

For more information, see the [change log](#).

## 05 December 2024

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

## 04 December 2024

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

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## 03 December 2024

## Istio add-on patch updates.

For the latest patch information, see the [change log](#). Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

## November 2024

## 21 November 2024

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

## 20 November 2024

## Ubuntu 24 is now the default operating system for IBM Cloud Kubernetes Service versions 1.29 and 1.30.

New clusters and worker pools created at version 1.29 and 1.30 now use Ubuntu 24. The operating system for existing worker pools is not impacted. Ubuntu 20 was deprecated on [09 October 2024](#) and support ends on 31 May 2025. If you are using Ubuntu 20 worker nodes, migrate your worker nodes to Ubuntu 24 before support ends. For more information, see [Migrating to a new Ubuntu version](#).

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New clusters and worker pools created at version 1.30 and 1.30 now use Ubuntu 24. The operating system for existing worker pools is not impacted. Ubuntu 20 was deprecated on [09 October 2024](#) and support ends on 31 May 2025. If you are using Ubuntu 20 worker nodes, migrate your worker nodes to Ubuntu 24 before support ends. For more information, see [Migrating to a new Ubuntu version](#).

## Block Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

19 November 2024

CLI version **1.0.674** is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

18 November 2024

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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## Secure by default networking can now be enabled on VPC clusters that were created before 1.30.

Secure by default networking introduced new security group configurations and behaviors for new VPC clusters beginning with 1.30. Clusters created at versions 1.29 and earlier did not get the secure by default security group configurations when updating to 1.30. However, you can now update your cluster's security group configurations for clusters that were created at versions 1.29 and earlier. For more information, see [Enabling secure by default for clusters created at 1.29 and earlier](#).

CLI version **1.0.673** is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

13 November 2024

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

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07 November 2024

## New! A new tutorial is available for IBM Cloud Kubernetes Service that covers how to migrate from a private service endpoint allowlist (PSE) to context based restrictions (CBR).

Private service endpoint allowlists are deprecated and support ends on 10 February 2025. Migrate from PSE allowlists to CBR as soon as possible. For more information and migration steps, see [Migrating from a private service endpoint allowlist to context based restrictions \(CBR\)](#).

05 November 2024

## IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

## October 2024

31 October 2024

ALB OAuth Proxy cluster add-on patch updates.

For more information, see the [change log](#).

Version 1.31 is now the default version for IBM Cloud Kubernetes Service.

For a complete list of available versions, see the [version information](#).

30 October 2024

IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

21 October 2024

IBM Cloud Kubernetes Service worker node fix packs are available.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[Version 1.31 change log](#)[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)

17 October 2024

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

11 October 2024

Istio add-on patch update 1.22.6 has been reverted.

For the latest patch information, see the [change log](#).

10 October 2024

Istio add-on patch updates.

For more information, see the [change log](#).

09 October 2024

Ubuntu 20 for IBM Cloud Kubernetes Service clusters is deprecated and support ends on 31 May 2025.

Migrate your worker nodes to Ubuntu 24 before support ends. Make sure you understand the [limitations for Ubuntu 24](#) before you begin migration. For more information, see [Migrating to a new Ubuntu version](#).

IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic

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Migrate your worker nodes to Ubuntu 24 before your fix packs ends. Make sure you understand the [limitations for Ubuntu 24](#) before you begin migration. For more information, see [Migrating to a new Ubuntu version](#).

## IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[Version 1.31 change log](#)

[Version 1.30 change log](#)

[Version 1.29 change log](#)

[Version 1.28 change log](#)

07 October 2024

**New! The `gx3d.160x1792.8h100` worker node flavor with H100 GPU support is available for VPC clusters.**

For a list of available flavors, see [VPC flavors](#).

03 October 2024

## Block Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## Storage Operator cluster add-on patch update.

For more information, see the [change log](#).

## Static route add-on version patch update.

For more information, see [the change log](#).

01 October 2024

**New! The IBM Cloud Object Storage cluster add-on is available in Beta for allowlisted accounts.**

For more information, see the [Installing the IBM Cloud Object Storage cluster add-on](#).

September 2024

26 September 2024

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

25 September 2024

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.31 change log](#)

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[Version 1.28 change log](#)

24 September 2024

## Ubuntu 24 is now available for IBM Cloud Kubernetes Service clusters.

You can now create IBM Cloud Kubernetes Service clusters that have Ubuntu 24 worker nodes. To migrate existing Ubuntu 20 workers to Ubuntu 24, see [Migrating to a new Ubuntu version](#). To review operating system support by cluster version, see [IBM Cloud Kubernetes Service version information](#). To review a list of worker node flavors with Ubuntu 24 support, see [VPC flavors](#) or [Classic flavors](#).

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

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	For more information, see the <a href="#">change log</a> .	↪ 16 September 2024
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	IBM Cloud Kubernetes Service CLI plug-in version <a href="#">1.0.665</a> is available.	↪ 10 September 2024
	For more information, see <a href="#">Updating the CLI</a> and the <a href="#">CLI change log</a> .	August 2024
	New! IBM Cloud Kubernetes Service version 1.31.	July 2024
	You can now create or <a href="#">update clusters to Kubernetes version 1.31</a> . With Kubernetes 1.31, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.	June 2024
	IBM Cloud Kubernetes Service version 1.28 is deprecated.	May 2024
	Support for 1.28 ends on 31 May 2025. Update your cluster to at least <a href="#">version 1.29</a> as soon as possible.	April 2024
	IBM Cloud Kubernetes Service version 1.27 is unsupported.	March 2024
	Update your cluster to at least <a href="#">version 1.28</a> as soon as possible.	February 2024
	Istio add-on version <a href="#">1.22.4</a> is available.	January 2024
	For more information, see the <a href="#">change log</a> .	December 2023
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	New! The IBM Cloud® and Compliance Center Workload Protection Integration is available for VPC clusters in the UI.	October 2023
	For more information, see the list of Observability Integrations in <a href="#">Creating a VPC cluster in the console</a> .	September 2023
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	For more information, see the <a href="#">change log</a> .	
	10 September 2024	
	CLI version <a href="#">1.0.657</a> is available.	
	For more information, see <a href="#">Updating the CLI</a> and the <a href="#">CLI change log</a> .	
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CLI version 1.0.657 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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29 August 2024

IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

28 August 2024

IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.30 change log](#)

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27 August 2024

Ingress ALB cluster add-on patch updates.

For more information, see the [change log](#).

26 August 2024

IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

Storage Operator cluster add-on patch update.

For more information, see the [change log](#).

IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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23 August 2024

CLI version 1.0.652 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

22 August 2024

New audit events for cluster operations

The `containers-kubernetes.cluster-master.changed` and `containers-kubernetes.cluster-ssl-certificate.update` [audit events](#) are available.

20 August 2024

Istio add-on versions 1.22.3 , 1.21.5 , and 1.20.8 are available.

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The `containers-kubernetes.cluster-master-fix` and `containers-kubernetes.cluster-ssl-certificate.update` [audit events](#) are available.

20 August 2024

Istio add-on versions [1.22.3](#), [1.21.5](#), and [1.20.8](#) are available.For more information, see the [change log](#).

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31 July 2024

## IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the following change logs for your cluster version.

[Version 1.30 change log](#)[Version 1.29 change log](#)[Version 1.28 change log](#)[Version 1.27 change log](#)

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).

29 July 2024

## IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.30](#)[1.29](#)[1.28](#)[1.27](#)

17 July 2024

## IBM Cloud Object Storage plug-in updates.

For more information, see the [change log](#).IBM Cloud Kubernetes Service CLI version [1.0.640](#) is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

15 July 2024

## IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.30](#)[1.29](#)[1.28](#)[1.27](#)

## Block Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## IBM Cloud File Storage for VPC cluster add-on patch updates.

For more information, see the [change log](#).

## Storage Operator cluster add-on patch update.

For more information, see the [change log](#).

## Cluster autoscaler add-on patch updates for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

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For more information, see the [change log](#).

Cluster autoscaler add-on patch updates for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

12 July 2024

IBM Cloud Kubernetes Service CLI version **1.0.638** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

11 July 2024

Ingress ALB updates are available for IBM Cloud Kubernetes Service.

For more information, see the [change log](#).

10 July 2024

IBM Cloud Kubernetes Service CLI version **1.0.635** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

9 July 2024

IBM Cloud Kubernetes Service CLI version **1.0.632** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.30](#)[1.29](#)[1.28](#)[1.27](#)

3 July 2024

IBM Cloud File Storage for VPC add-on version 2.0 is available in Beta.

For more information, see the [change log](#).

June 2024

24 June 2024

Version 1.30 is the default version for IBM Cloud Kubernetes Service.

For a complete list of available versions, see the [version information](#).

Ubuntu 24 in Beta

Ubuntu 24 is available in Beta. Limitations apply. For more information, see [Ubuntu 24 limitations](#).

Storage optimized flavors for IBM Cloud Kubernetes Service VPC clusters

New storage optimized `bx2` flavors are available. For more information, see the [VPC flavors](#).IBM Cloud Kubernetes Service CLI version **1.0.630** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

21 June 2024

Cluster autoscaler add-on patch updates for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

Block Storage for VPC add-on patch updates.

For more information, see the [change log](#).

IBM Cloud File Storage for VPC add-on patch updates.

For more information, see the [change log](#).

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For more information, see the [change log](#).

## IBM Cloud File Storage for VPC add-on patch updates.

For more information, see the [change log](#).

20 June 2024

## Cluster autoscaler add-on patch update for IBM Cloud Kubernetes Service.

For more information, see [Cluster autoscaler add-on change log](#).

## Ingress ALB updates are available for IBM Cloud Kubernetes Service.

For more information, see the [change log](#).Istio add-on versions **1.22.1** is available.For more information, see the [change log](#).

19 June 2024

## IBM Cloud Kubernetes Service master and worker node fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.30](#)[1.29](#)[1.28](#)[1.27](#)Istio add-on versions **1.21.3** and **1.20.7** are available.For more information, see the [change log](#).

17 June 2024

IBM Cloud Kubernetes Service CLI version **1.0.628** is available.For more information, see [Updating the CLI](#) and the [CLI change log](#).

5 June 2024

IBM Cloud Object Storage plug-in version **2.2.26**.For more information, see the [change log](#).

4 June 2024

## IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.30](#)[1.29](#)[1.28](#)[1.27](#)

## ALB OAuth Proxy add-on patch updates.

For more information, see the [change log](#).

3 June 2024

IBM Cloud Kubernetes Service version **1.26** is no longer supported.Update your cluster to at least [version 1.27](#) as soon as possible.

May 2024

30 May 2024

## Ingress ALB updates are available for IBM Cloud Kubernetes Service.

Version 1.4 Alpha loader supported. For more information, see the [change log](#).

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30 May 2024

Ingress ALB updates are available for IBM Cloud Kubernetes Service.

Version 1.6.4 is no longer supported. For more information, see the [change log](#).

29 May 2024

New! IBM Cloud Kubernetes Service version 1.30.

You can now create or [update clusters to Kubernetes version 1.30](#). With Kubernetes 1.30, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

IBM Cloud Kubernetes Service version 1.30 Kubernetes certification

IBM Cloud Kubernetes Service version [1.30](#) is now Kubernetes certified.Important networking changes for IBM Cloud Kubernetes Service VPC clusters created at  
version 1.30.For more information, see the [1.30 version information](#) and [Understanding Secure by Default Cluster VPC Networking](#).Important changes to the default cluster provisioning behavior for new VPC clusters beginning  
with version 1.30.

Beginning with version 1.30, there is a new option available at cluster creation time via the UI, CLI, API, and Terraform. This new option manages outbound traffic protection for the cluster. The default behavior is to have outbound traffic protection enabled, which means new version 1.30 VPC clusters won't have access the public internet by default. If your cluster needs access to the public internet, you must specifically include the option (from the UI, CLI, API, and Terraform) to disable outbound traffic protection. Note that you can also disable outbound traffic protection after your cluster is created. You can also selectively allow outbound traffic as needed after your cluster is created. If you provision clusters via automation, make sure to adjust your automation accordingly.

For more information, see the [1.30 version information](#), [Understanding Secure by Default Cluster VPC Networking](#), and [Managing outbound traffic protection in VPC clusters](#).

Managing outbound traffic protection in new version 1.30 VPC clusters.

With the introduction of Secure by Default Cluster VPC networking in version 1.30 and later clusters, there are several scenarios where you might need to adjust the security group settings for your clusters to allow outbound traffic to certain resources. For more information, see [Managing outbound traffic protection in VPC clusters](#).

IBM Cloud Kubernetes Service version 1.27 is deprecated.

Support for 1.27 ends on 18 September 2024. Update your cluster to at least [version 1.28](#) as soon as possible.

IBM Cloud Kubernetes Service master fix packs.

Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)

23 May 2024

IBM Cloud Kubernetes Service worker node fix packs.

Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

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[1.28](#)[1.27](#)[1.26](#)

10 May 2024

**Block Storage for VPC add-on patch update.**For more information, see the [change log](#).**IBM Cloud File Storage for VPC add-on patch update.**For more information, see the [change log](#).**Istio add-on version 1.19 is no longer supported.**Update the add-on in your clusters to a supported version. For more information, see the [Updating the Istio add-on](#) and the [change log](#).

08 May 2024

**Istio add-on versions 1.21.2 and 1.20.6 are available.**For more information, see the [change log](#).**ALB OAuth Proxy add-on patch updates.**For more information, see the [change log](#).

07 May 2024

**IBM Cloud Kubernetes Service worker node fix packs.**Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following [change logs](#) for your cluster version.[1.29](#)[1.28](#)[1.27](#)[1.26](#)

05 May 2024

**IBM Cloud Kubernetes Service cluster autoscaler add-on patch updates.**For more information, see [the change log](#).

02 May 2024

**IBM Cloud Kubernetes Service CLI version 1.0.618 is available.**For more information, see [Updating the CLI](#) and the [CLI change log](#).

April 2024

29 April 2024

**Ingress ConfigMap update**For more information, see the [change log](#).

24 April 2024

**IBM Cloud Kubernetes Service master and worker node fix packs.**Master fix packs are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Worker node fix packs can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following [change logs](#) for your cluster version.[1.29](#)[1.28](#)[1.27](#)[1.26](#)**Istio add-on versions 1.21.1, 1.20.5, and 1.19.9 are available.**For more information, see the [change log](#).

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Istio add-on versions 1.21.1, 1.20.5 and 1.19.9 are available.

For more information, see the [change log](#).

IBM Cloud Object Storage plug-in version 2.2.25 .

For more information, see the [change log](#).

IBM Cloud Kubernetes Service CLI version 1.0.617 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

18 April 2024

IBM Cloud Kubernetes Service CLI version 1.0.613 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

09 April 2024

Worker node fix packs are available for IBM Cloud Kubernetes Service.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)[1.26](#)

03 April 2024

Istio add-on patch updates.

For more information, see the [change log](#).

ALB OAuth Proxy add-on patch updates.

For more information, see the [change log](#).

IBM Cloud Kubernetes Service cluster autoscaler add-on patch updates.

For more information, see [the change log](#).

Version 1.0.9 of the cluster autoscaler add-on is deprecated with an end of support date of 30 April 2024.

Update to a supported version of the add-on before 30 April 2024.

March 2024

27 March 2024

Master patch updates for IBM Cloud Kubernetes Service clusters. Master patches are applied automatically over the course of several days. You can choose to use the [ibmcloud ks cluster master update](#) command yourself without waiting for the update automation to apply the patch. Review the change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)[1.26](#)

25 March 2024

Worker node fix packs are available for IBM Cloud Kubernetes Service.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)[1.26](#)

New! NVIDIA L40 GPU support. You can now create VPC clusters with worker nodes which have

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Change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)[1.26](#)

**New! NVIDIA L40 GPU support. You can now create VPC clusters with worker nodes which have NVIDIA L40 GPUs.**

L40 GPU support is available in IBM Cloud Kubernetes Service clusters at version 1.28 or later with `gx3` worker nodes.

When you provision a version 1.28 or later VPC cluster with `gx3` worker nodes, or add a `gx3` worker pool to an existing 1.28 or later VPC cluster, the GPU drivers are automatically installed and you can get started right away. For more information, see [Deploying an app on a GPU machine](#).

**18 March 2024****Ingress ALB updates are available for IBM Cloud Kubernetes Service.**

For more information, see the [change log](#).

**15 March 2024****Worker node fix packs are available for IBM Cloud Kubernetes Service.**

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

[1.29](#)[1.28](#)[1.27](#)[1.26](#)**Version 1.29 is the default version for IBM Cloud Kubernetes Service.**

For a complete list of available versions, see the [version information](#).

**08 March 2024****Block Storage for VPC add-on patch updates.**

For more information, see the [change log](#).

**IBM Cloud File Storage for VPC add-on patch update.**

For more information, see the [change log](#).

**06 March 2024****Istio add-on versions 1.20.3 and 1.29.7 are available.**

For more information, see the [change log](#).

**CLI version 1.0.601 is available.**

For more information, see [Updating the CLI](#) and the [CLI change log](#).

**February 2024****28 February 2024****IBM Cloud Kubernetes Service cluster autoscaler version 1.2.1 is available.**

Version 1.2.1 of the autoscaler adds support for cluster version 1.29. For more information, see [the change log](#).

**Master patch updates for IBM Cloud Kubernetes Service clusters. Master patches are applied automatically over the course of several days. You can choose to use the `ibmcloud ks cluster master update` command yourself without waiting for the update automation to apply the patch. Review the change logs for your cluster version.**

[1.29](#)[1.28](#)[1.27](#)[1.26](#)**27 February 2024**

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**Worker node fix packs are available for IBM Cloud Kubernetes Service.**

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

- [1.29.2](#) [1529](#)
- [1.28.7](#) [1547](#)
- [1.27.11](#) [1567](#)
- [1.26.14](#) [1576](#)

**CLI version [1.0.597](#) is available.**

For more information, see [Updating the CLI](#) and the [CLI change log](#).

26 February 2024

**New! NVIDIA L4 GPU support. You can now create VPC clusters with worker nodes which have NVIDIA L4 GPUs.**

L4 GPU support is available in IBM Cloud Kubernetes Service clusters at version 1.28 or later with [g3x](#) worker nodes.

When you provision a version 1.28 or later VPC cluster with [g3x](#) worker nodes, or add a [g3x](#) worker pool to an existing 1.28 or later VPC cluster, the GPU drivers are automatically installed and you can get started right away. For more information, see [Deploying an app on a GPU machine](#).

**Ingress ALB patch updates [1.9.4\\_6376\\_1ks](#), [1.8.4\\_6375\\_1ks](#), and [1.6.4\\_6374\\_1ks](#) for IBM Cloud Kubernetes Service.**

For more information, see the [change log](#).

**New worker node flavors are available with L4 GPUs.**

The following worker node flavors with L4 GPUs are now available. For more information, see [VPC flavors](#).

- [g3x3.16x80x1L4](#) : 1 GPU, 16 cores, 80 GB memory, 100GB storage, 32 Gbps network speed.
- [g3x3.32x160x2L4](#) : 2 GPU, 32 cores, 160 GB, memory, 100GB storage, 32 Gbps network speed
- [g3x3.64x320x4L4](#) : 4 GPU, 64 cores, 320 GB memory, 100GB storage, 32 Gbps network speed

22 February 2024

**IBM Cloud Object Storage plug-in version [2.2.24](#).**

For more information, see the [change log](#).

21 February 2024

**Kubernetes version 1.29 certification**

Version [1.29](#) release is now certified.

**IBM Cloud Kubernetes Service cluster autoscaler add-on patch updates [1.0.9\\_377](#) and [1.2.0\\_365](#).**

For more information, see [the change log](#).

19 February 2024

**Ingress ALB versions [1.9.4\\_6359\\_1ks](#) and [1.8.4\\_6363\\_1ks](#) are available for IBM Cloud Kubernetes Service.**

For more information, see the [change log](#).

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For more information, see the [change log](#).

16 February 2024

IBM Cloud Kubernetes Service cluster autoscaler add-on patch update [1.1.0\\_362](#).For more information, see the [change log](#).

14 February 2024

New! IBM Cloud Kubernetes Service version 1.29.

You can create or [update clusters](#) to Kubernetes version 1.29. With Kubernetes 1.29, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

Master fix pack [1.29.1\\_1524](#) and worker node fix pack [1.29.1\\_1525](#).For more information, see the [1.29 change log](#).

Starting with IBM Cloud Kubernetes Service version 1.29, Calico components run in the `calico-system` namespace and the Tigera operator components run in the `tigera-operator` namespace.

For more information, see [1.29 version information and update actions](#).

IBM Cloud Kubernetes Service version 1.26 is deprecated.

Update your cluster to at least [version 1.27](#) as soon as possible.

13 February 2024

Worker node fix packs are available for IBM Cloud Kubernetes Service.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

- [1.28.6\\_1544](#)
- [1.27.10\\_1563](#)
- [1.26.13\\_1571](#)

Ingress ALB versions [1.9.4\\_6346\\_1ks](#), [1.8.4\\_6345\\_1ks](#), [1.6.4\\_6344\\_1ks](#) are available for IBM Cloud Kubernetes Service.

For more information, see the [change log](#).

08 February 2024

CLI version 1.0.595 is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).Block Storage for VPC add-on versions [5.2.15\\_501](#) and [5.1.21\\_506](#) are available.For more information, see the [change log](#).IBM Cloud File Storage for VPC add-on version [1.2.6\\_130](#) is available.For more information, see the [change log](#).

07 February 2024

Istio add-on versions [1.29.2](#), [1.19.6](#), and [1.18.7](#) are available.For more information, see the [change log](#).

05 February 2024

Ingress ALB updates

Ingress ALB versions [1.9.4\\_6292\\_1ks](#), [1.8.4\\_6291\\_1ks](#), [1.6.4\\_6293\\_1ks](#) are available. 1.9.4 is the default version for all ALBs that run the Kubernetes Ingress image. If you have Ingress auto update enabled, your ALBs automatically update to use this image. For more information, see the [change log](#).

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01 February 2024

## Master fix packs are available for IBM Cloud Kubernetes Service

Review the change logs for your cluster version. Master patch updates are applied automatically.

[1.28.6 1542](#)[1.27.10 1561](#)[1.26.13 1569](#)

## IBM Cloud Kubernetes Service version 1.25 is no longer supported.

Update your 1.25 clusters to at least version 1.26. For more information, see [1.26 version information and update actions](#).

IBM Cloud Kubernetes Service cluster autoscaler add-on patch update [1.0.8\\_346](#).

For more information, see [the change log](#).

January 2024

30 January 2024

## Worker node fix packs are available.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure.

Review the following change logs for your cluster version.

[1.28.6 1543](#)[1.27.10 1562](#)[1.26.13 1570](#)

29 January 2024

IBM Cloud Object Storage plug-in version [2.2.23](#).

For more information, see the [change log](#).

22 January 2024

## Ingress ALB updates

Ingress ALB versions [1.9.4\\_6251\\_1ks](#), [1.8.4\\_6245\\_1ks](#), [1.6.4\\_6250\\_1ks](#) are available.

1.9.4 is the default version for all ALBs that run the Kubernetes Ingress image. If you have Ingress auto update enabled, your ALBs automatically update to use this image. For more information, see the [change log](#).

19 January 2024

CLI version [1.0.589](#) is available.

For more information, see [Updating the CLI](#) and the [CLI change log](#).

17 January 2024

## Worker node fix packs are available.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure.

Review the following change logs for your cluster version.

[1.28.4 1541](#)[1.27.8 1560](#)[1.26.11 1568](#)[1.25.16 1573](#)

16 January 2024

Cluster autoscaler add-on patch updates [1.2.0\\_322](#) and [1.0.9\\_328](#).

For more information, see [the change log](#).

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	For more information, see the <a href="#">change log</a> .	May 2025
Search guide	ALB OAuth Proxy add-on version <code>2.0.0_2063</code> .	April 2025
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Release notes	Ingress ALB updates	November 2024
Tutorials	Ingress ALB versions <code>1.9.4_6161_iks</code> , <code>1.8.4_6173_iks</code> , <code>1.6.4_6177_iks</code> are available. 1.9.4 is the default version for all ALBs that run the Kubernetes Ingress image. If you have Ingress auto update enabled, your ALBs automatically update to use this image. For more information, see the <a href="#">change log</a> .	October 2024
Tutorials library for Kubernetes Service	Istio cluster add-on versions <code>1.20.0</code> , <code>1.19.5</code> , and <code>1.18.6</code> .	September 2024
Setting up your first cluster in your Virtual Private Cloud (VPC)	For more information, see the <a href="#">change log</a> .	August 2024
How to	Istio add-on version 1.18 will no longer be supported on 21 February 2024	July 2024
Planning your cluster environment	Follow the steps to update your <a href="#">Istio components</a> to the latest patch version of Istio 1.18 that is supported by IBM Cloud Kubernetes Service.	June 2024
Preparing your account	IBM Cloud File Storage for VPC cluster add-on patch update <code>1.2.5_107</code> .	May 2024
Installing the CLI	For more information, see the <a href="#">change log</a> .	April 2024
Setting up the API	Block Storage for VPC cluster add-on patch updates <code>5.2.14_485</code> and <code>5.1.19_486</code> .	March 2024
Creating clusters	For more information, see the <a href="#">change log</a> .	February 2024
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Setting up encryption	<ul style="list-style-type: none"><li><a href="#">1.28.4 1540</a></li></ul>	22 January 2024
Enhancing security	<ul style="list-style-type: none"><li><a href="#">1.27.8 1559</a></li></ul>	19 January 2024
Managing access control	<ul style="list-style-type: none"><li><a href="#">1.26.11 1567</a></li></ul>	17 January 2024
Securing cluster workloads	<ul style="list-style-type: none"><li><a href="#">1.25.16 1572</a></li></ul>	16 January 2024
Controlling network traffic in Classic clusters	December 2023	10 January 2024
Controlling network traffic in VPC clusters	18 December 2023	2 January 2024
Adding static routes to worker nodes	Worker node fix packs are available.	December 2023
Configuring the cluster DNS provider	Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.	November 2023
Setting up the cluster autoscaler	<ul style="list-style-type: none"><li><a href="#">1.28.4 1539</a></li></ul>	October 2023
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	<ul style="list-style-type: none"><li><a href="#">1.25.16 1571</a></li></ul>	July 2023
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	Information on worker node removal priority.	
	Details are available for <a href="#">automated worker node removal</a> when scaling down a worker pool.	
	Kubernetes version 1.24 is unsupported.	
	Update your cluster to at least version 1.25 as soon as possible	

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## Information on worker node removal priority.

Details are available for [automated worker node removal](#) when scaling down a worker pool.

## Kubernetes version 1.24 is unsupported.

Update your cluster to at least [version 1.25](#) as soon as possible.

## 8 December 2023

## Security Bulletin: IBM Cloud Kubernetes Service is affected by Kubernetes API server security vulnerabilities

For more information, see the [Security Bulletin](#).

## 7 December 2023

Istio add-on version [1.20.0](#).

For more information, see the [change log](#).

## 6 December 2023

## Master fix packs are available.

Review the change logs for your cluster version. Master patch updates are applied automatically.

[1.28.4 1537](#)

[1.27.8 1556](#)

[1.26.11 1564](#)

[1.25.16 1569](#)

## 5 December 2023

Istio add-on version [1.19.4](#).

For more information, see the [change log](#).

## 4 December 2023

## Ingress ALB updates

Ingress ALB versions [1.9.4\\_5886\\_iks](#), [1.8.4\\_5885\\_iks](#), [1.6.4\\_5884\\_iks](#) are available. 1.9.4 is now the default version for all ALBs that run the Kubernetes Ingress image. If you have Ingress auto update enabled, your ALBs automatically update to use this image. For more information, see the [change log](#).

## Worker node fix packs are available.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure.

Review the following change logs for your cluster version.

• [1.28.4 1538](#)

• [1.27.8 1557](#)

• [1.26.11 1565](#)

• [1.25.16 1570](#)

• [1.24.17 1592](#)

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## 29 November 2023

## Worker node fix packs are available.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure.

Review the following change logs for your cluster version.

• [1.28.3 1535](#)

• [1.27.7 1548](#)

• [1.26.10 1561](#)

• [1.25.15 1568](#)

• [1.24.17 1591](#)

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[View as PDF](#)**27 November 2023**

**The Beta File Storage for VPC cluster add-on is now available to all accounts.**

Previously the add-on was available in allowlisted accounts only. For more information, see [Enabling the File Storage for VPC add-on](#).

**Cluster autoscaler add-on patch updates 1.2.0\_290, 1.0.9\_290, 1.0.8\_292, and 1.0.7\_291 .**

For more information, see [the change log](#).

**Block Storage for VPC add-on versions 5.0.23\_437 and 5.1.16\_446, and 5.2.11\_447 .**

For more information, see [the change log](#).

**IBM Cloud File Storage for VPC add-on patch 1.1.10\_93 and 1.2.3\_97 .**

For more information, see [the change log](#).

**21 November 2023****Ingress ALB updates**

Ingress ALB versions [1.9.4\\_5756\\_1ks](#), [1.8.4\\_5757\\_1ks](#), [1.6.4\\_5727\\_1ks](#) are available.  
For more information, see [the change log](#).

**20 November 2023**

**You can now specify a custom pod subnet size when creating a VPC cluster.**

For more information, see [the CLI reference](#) or [create a VPC cluster](#) with a custom pod subnet size.

**IBM Cloud Object Storage plug-in version 2.2.22 .**

For more information, see [the change log](#).

**15 November 2023**

**The cluster autoscaler add-on now supports version 1.23 clusters.**

For more information, see [Enabling the cluster autoscaler add-on in your cluster](#).

**Master fix packs are available.**

Review the change logs for your cluster version. Master patch updates are applied automatically.  
[1.28.3 1534](#)  
[1.27.7 1547](#)  
[1.26.10 1560](#)  
[1.25.15 1567](#)

**13 November 2023**

**IBM Cloud Object Storage plug-in version 2.2.21 .**

For more information, see [the change log](#).

**Block Storage for VPC add-on versions 5.0.21\_401 and 5.1.15\_419, and 5.2.10\_428 .**

For more information, see [the change log](#).

**Cluster autoscaler add-on patch updates 1.0.9\_195, 1.0.8\_233, and 1.0.7\_185 .**

For more information, see [the change log](#).

**IBM Cloud File Storage for VPC add-on patch 1.1.9\_87 .**

For more information, see [the change log](#).

**10 November 2023**

**Updated sorting and formatting for the Classic and VPC cluster flavor pages.**

For more information, see [VPC flavors](#) and [Classic flavors](#).

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Setting up the API	Ingress ALB versions <a href="#">1.9.4_5698_1ks</a> , <a href="#">1.8.4_5644_1ks</a> , <a href="#">1.6.4_5642_1ks</a> are available. Version <a href="#">1.8.4_5644_1ks</a> is now the default version. Version <a href="#">1.5.1</a> is no longer supported. For more information, see the <a href="#">change log</a> .	April 2024
Creating clusters	06 November 2023	March 2024
Accessing clusters	Kubernetes version 1.28 is now the default version for new IBM Cloud Kubernetes Service clusters.	February 2024
Adding worker nodes	For more information, see the <a href="#">Kubernetes version information</a> , the <a href="#">1.28 version information and update actions</a> , and the <a href="#">1.28 change log</a> .	January 2024
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Enhancing security	VNI functionality for limiting access to File Storage for VPC by node, zone, worker pool and more.	↪ 29 November 2023
Managing access control	You now have more granular control over how pods access your File Storage for VPC. For more information, see <a href="#">Limiting file share access by worker node, zone, or worker pool</a> .	↪ 27 November 2023
Securing cluster workloads	IBM Cloud File Storage for VPC add-on version 1.2 .	↪ 21 November 2023
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23 October 2023

Worker node fix packs are available.

Worker node updates can be applied by updating or reloading the worker node in classic infrastructure, or replacing the worker node in VPC infrastructure. Review the following change logs for your cluster version.

- [1.28.2 1532](#)

- [1.27.6 1545](#)

- [1.26.9 1558](#)

- [1.25.14 1565](#)

- [1.24.17 1589](#)

Ingress ALB version [1.8.4\\_5586\\_1ks](#)For more information, see the [change log](#).

18 October 2023

Istio add-on version [1.18.5](#) and [1.17.8](#).For more information, see the [change log](#).ALB OAuth Proxy add-on version [2.0.0\\_1889](#).For more information, see the [change log](#).

17 October 2023

Ingress ALB versions [1.8.1\\_5543\\_1ks](#), [1.6.4\\_5544\\_1ks](#), and [1.5.1\\_5542\\_1ks](#)For more information, see the [change log](#).

11 October 2023

Ingress ALB versions [1.5.1\\_5436\\_1ks](#), [1.6.4\\_5435\\_1ks](#), and [1.8.1\\_5434\\_1ks](#)For more information, see the [change log](#).IBM Cloud Object Storage plug-in version [2.2.19](#)For more information, see the [change log](#).

10 October 2023

CLI version [1.0.573](#) is available.For more information, see the [CLI change log](#).Istio add-on version [1.19.3](#).For more information, see the [change log](#).

9 October 2023

Worker node fix packs are available.

[1.28.2 1529](#)[1.27.5 1542](#)[1.26.8 1556](#)[1.25.13 1563](#)[1.24.16 1583](#)

5 October 2023

Ingress ALB versions [1.8.1\\_5384\\_1ks](#), [1.6.4\\_5406\\_1ks](#), and [1.5.1\\_5407\\_1ks](#)For more information, see the [change log](#).

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Ingress ALB versions [1.6.1\\_5384\\_1ks](#), [1.6.4\\_5406\\_1ks](#), and [1.5.1\\_5407\\_1ks](#)For more information, see the [change log](#).

4 October 2023

Cluster autoscaler add-on version [1.0.9\\_134](#).For more information, see [the change log](#).

3 October 2023

Istio add-on versions [1.17.6](#) and [1.18.3](#).For more information, see the [change log](#).

## September 2023

27 September 2023

Worker node fix packs are available.

[1.28.2\\_1528](#)[1.27.5\\_1541](#)[1.26.8\\_1555](#)[1.25.12\\_1562](#)[1.24.17\\_1587](#)

26 September 2023

ALB OAuth Proxy add-on version [2.0.0\\_1843](#).For more information, see the [change log](#).

25 September 2023

Block Storage for VPC add-on version [5.2](#).For more information, see the [change log](#).

22 September 2023

Kubernetes version 1.28 certification

Version [1.28](#) release is now certified.

20 September 2023

New! IBM Cloud Kubernetes Service version 1.28.

You can create or [update clusters to Kubernetes version 1.28](#). With Kubernetes 1.28, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

Master fix pack [1.28.2\\_1527](#) and worker node fix pack [1.28.1\\_1523](#).For more information, see the [1.28 change log](#).

Networking changes for VPC clusters 1.28 and later

In version 1.27 and earlier, VPC clusters pull container images from the IBM Cloud Container Registry through a private cloud service endpoint for the Container Registry. For version 1.28 and later, this network path is updated so that images are pulled through a VPE gateway instead of a private service endpoint. For more information, see the [1.28 change log](#).

Trusted profile updates for Kubernetes clusters version 1.28 and later.

You can now give trusted profiles service level access to your clusters, then use a federated ID, like App ID, to access the cluster at the level assigned in the trusted profile since trusted profile identities are now synced into the cluster RBAC. For more information, see [Creating trusted profiles](#) and [Logging in with a federated ID](#).

New! Updated GPU drivers with version 1.28 clusters.

With the release of IBM Cloud Kubernetes Version 1.28, GPU drivers moved to the 500 series version for all GPU worker node flavors. To use the 500 series GPU drivers, ensure that a GPU

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profile identities are now synced into the cluster API. For more information, see [Creating trusted profiles](#) and [Logging in with a federated ID](#).

## New! Updated GPU drivers with version 1.28 clusters.

With the release of IBM Cloud Kubernetes Version 1.28, GPU drivers moved to the 500 series version for all GPU worker node flavors. To use the 500 series GPU drivers, ensure that a GPU worker node flavor is being used and the cluster master version is upgraded to at least version 1.28. Versions earlier than 1.28 will still continue to use the 400 series GPU drivers. For more information, see [Deploying an app on a GPU machine](#).

## Master fix packs are available.

[1.27.5](#) [1540](#)  
[1.26.8](#) [1554](#)  
[1.25.13](#) [1561](#)  
[1.24.17](#) [1586](#)

## 18 September 2023

CLI version [1.0.566](#) is available.

For more information, see the [CLI change log](#).

## 15 September 2023

Cluster autoscaler add-on versions [1.0.9\\_103](#), [1.0.8\\_104](#), and [1.0.7\\_102](#).

For more information, see [the change log](#).

## 14 September 2023

IBM Cloud File Storage for VPC add-on version [1.1.7\\_49](#)

For more information, see [the change log](#).

Block Storage for VPC add-on versions [5.0.19\\_358](#) and [5.1.13\\_345](#).

For more information, see the [change log](#).

## 12 September 2023

## Worker node fix packs are available.

[1.27.4](#) [1538](#)  
[1.26.7](#) [1552](#)  
[1.25.12](#) [1558](#)  
[1.24.16](#) [1583](#)

## 7 September 2023

IBM Cloud Object Storage plug-in version [2.2.18](#)

For more information, see the [change log](#).

## August 2023

## 31 August 2023

Ingress ALB versions [1.8.1\\_5317\\_1ks](#), [1.6.4\\_5278\\_1ks](#), and [1.5.1\\_5318\\_1ks](#)

For more information, see the [change log](#).

## 30 August 2023

## Master fix packs are available.

[1.27.4](#) [1536](#)  
[1.26.7](#) [1550](#)  
[1.25.12](#) [1556](#)  
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## 29 August 2023

## New! Madrid multizone region

You can now [create VPC clusters](#) in [Madrid](#).

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## Worker node fix packs are available.

[1.27.4](#) [1537](#)[1.26.7](#) [1551](#)[1.25.12](#) [1557](#)[1.24.16](#) [1582](#)

15 August 2023

## Worker node fix packs are available.

[1.24.16](#) [1580](#)[1.25.12](#) [1555](#)[1.26.7](#) [1547](#)[1.27.4](#) [1535](#)

9 August 2023

ALB OAuth Proxy add-on version [2.0.0.1715](#).

For more information, see the [change log](#).

8 August 2023

Istio add-on versions [1.16.7](#), [1.17.5](#), and [1.18.2](#).

For more information, see the [change log](#).

7 August 2023

Cluster autoscaler add-on versions [1.0.9\\_81](#), [1.0.8\\_82](#), and [1.0.7\\_83](#).

For more information, see [the change log](#).

3 August 2023

## CIS benchmarks for Red Hat OpenShift version 4.13.

CIS benchmark results are available for Red Hat OpenShift version [4.13](#).

1 August 2023

## Worker node fix packs are available.

[1.24.16](#) [1579](#)[1.25.12](#) [1554](#)[1.26.7](#) [1546](#)[1.27.4](#) [1534](#)Block Storage for VPC add-on versions [5.0.17\\_266](#) and [5.1.12\\_285](#).

For more information, see the [change log](#).

July 2023

31 July 2023

## Ubuntu 18 is no longer supported.

For more information, see [Migrating to a new Ubuntu version](#).

28 July 2023

IBM Cloud Object Storage plug-in version [2.2.17](#).

For more information, see the [change log](#).

27 July 2023

## Master fix packs are available

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26 July 2023

Ingress ALB versions [1.6.4\\_5219\\_iks](#), [1.5.1\\_5217\\_iks](#), and [1.4.0\\_5218\\_iks](#)For more information, see the [change log](#).

25 July 2023

End of support for the free cluster tier

As announced on [23 June 2023](#), the free cluster option is no longer available. Existing free tier clusters will be allowed to finish their 30-day trial window. If you want to continue testing IBM Cloud Kubernetes Service, try creating a [Classic cluster](#). Then [copy your deployments to the new cluster](#).

24 July 2023

Cluster autoscaler add-on version [1.0.9\\_70](#).For more information, see the [change log](#).Static route add-on version [1.0.0\\_1122](#).For more information, see the [change log](#).

21 July 2023

Cluster autoscaler add-on update command.

You can now use the `ibmcloud ks cluster add-on update` command to update your add-on. For more information, see [Updating the cluster autoscaler add-on](#).

19 July 2023

CLI version [1.0.540](#) is available.For more information, see the [CLI change log](#).

17 July 2023

Worker node fix packs [1.24.15\\_1576](#), [1.25.11\\_1552](#), [1.26.6\\_1544](#), and [1.27.3\\_1532](#).For more information, see the change logs: [1.24](#), [1.25](#), [1.26](#), and [1.27](#).

12 July 2023

ALB OAuth Proxy add-on version [2.0.0\\_1669](#).For more information, see the [change log](#).

11 July 2023

New! OpenShift Data Foundation add-on version [4.13.0](#).For more information, see the [change log](#).

6 July 2023

Cluster autoscaler add-on version [1.0.8\\_56](#) and [1.0.7\\_57](#).

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For more information, see the [change log](#).

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6 July 2023

Cluster autoscaler add-on version [1.0.8\\_56](#) and [1.0.7\\_57](#) .For more information, see the [change log](#).Istio add-on version [1.18.0](#) .For more information, see the [change log](#).

Pod security admission updates

Review the [default pod security configuration](#) and the steps to [customize pod security admission in your cluster](#).

5 July 2023

Ingress ALB versions [1.6.4\\_5161\\_iks](#), [1.5.1\\_5160\\_iks](#), and [1.4.0\\_5159\\_iks](#)For more information, see the [change log](#).

3 July 2023

IBM Cloud Object Storage plug-in version [2.2.16](#)For more information, see the [change log](#).IBM Cloud File Storage for VPC add-on version [1.1](#)For more information, see the [change log](#).Worker node fix packs [1.24.15\\_1574](#), [1.25.11\\_1550](#), [1.26.6\\_1542](#), and [1.27.3\\_1530](#) .For more information, see the change logs: [1.24](#), [1.25](#), [1.26](#), and [1.27](#).

June 2023

27 June 2023

Master fix packs [1.24.15\\_1573](#), [1.25.11\\_1549](#), [1.26.6\\_1541](#), and [1.27.3\\_1529](#) .For more information, see the change logs: [1.24](#), [1.25](#), [1.26](#), and [1.27](#).

26 June 2023

CLI version [1.0.528](#) .For more information, see the [change log](#).

23 June 2023

Free cluster tier deprecation

The free cluster option is deprecated and will be unsupported on 25 July 2023. Existing free tier clusters will be allowed to finish their 30-day trial window. If you want to continue testing IBM Cloud Kubernetes Service, try creating a [Classic cluster](#). Then [copy your deployments to the new cluster](#).

22 June 2023

Cluster autoscaler add-on version [1.0.9\\_44](#) .For more information, see the [change log](#).Istio add-on version [1.17.3](#) .For more information, see the [change log](#).

21 June 2023

Block Storage for VPC add-on versions [5.0.16\\_127](#) and [5.1.11\\_126](#) .This patch introduces two new variables to the `addon-vpc-block-csi-driver-configmap` .

To get the latest snapshot configmap values users must add the new values to the existing configmap and apply the changes. For more information, see [Customizing snapshots](#) and the [add-on change log](#).

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This patch introduces two new variables to the `addon-vpc-block-csi-driver-configmap`. To get the latest snapshot configmap values users must add the new values to the existing configmap and apply the changes. For more information, see [Customizing snapshots](#) and the [add-on change log](#).

20 June 2023

## Worker node fix pack updates

Worker node fix pack updates are available for versions [1.27](#), [1.26](#), [1.25](#), and [1.24](#).

19 June 2023

## IBM Cloud Object Storage plug-in version 2.2.15

For more information, see the [change log](#).

8 June 2023

## Istio add-on version 1.16.5

For more information, see the [change log](#).

6 June 2023

Ingress ALB versions [1.6.4\\_5067\\_1ks](#), [1.5.1\\_5074\\_1ks](#), and [1.4.0\\_5068\\_1ks](#)

For more information, see the [change log](#).

5 June 2023

Worker node fix packs [1.24.14\\_1571](#), [1.25.10\\_1547](#), [1.26.5\\_1539](#), and [1.27.2\\_1527](#)

For more information, see the change logs: [1.24](#), [1.25](#), [1.26](#), and [1.27](#).

## May 2023

31 May 2023

Master fix packs [1.24.14\\_1568](#), [1.25.10\\_1545](#), and [1.26.5\\_1537](#)

For more information, see the change logs: [1.24](#), [1.25](#), and [1.26](#).

25 May 2023

## CLI version 1.0.523

For more information, see the [change log](#).

## Kubernetes version 1.27 certification

Version [1.27](#) release is now certified.

24 May 2023

## New! IBM Cloud Kubernetes Service version 1.27.

You can create or [update clusters to Kubernetes version 1.27](#). With Kubernetes 1.27, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

Master fix pack [1.27.2\\_1524](#) and worker node fix pack [1.27.2\\_1524](#)

For more information, see the [1.27 change log](#).

Worker node fix packs [1.24.14\\_1570](#), [1.25.10\\_1546](#), and [1.26.5\\_1538](#)

For more information, see the change logs: [1.24](#), [1.25](#), and [1.26](#).

23 May 2023

Ingress ALB versions [1.6.4\\_4179\\_1ks](#), [1.5.1\\_4168\\_1ks](#), and [1.4.0\\_4169\\_1ks](#)

For more information, see the [change log](#).

16 May 2023

## IBM Cloud File Storage for VPC add-on version 1.0

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For more information, see the [change log](#).

16 May 2023

IBM Cloud File Storage for VPC add-on version **1.0**.For more information, see the [change log](#).

15 May 2023

Cluster autoscaler add-on versions **1.0.6-1077**, **1.0.7-1076**, **1.0.8-1078**, and **1.1.0-1066**.For more information, see the [change log](#).IBM Cloud File Storage for VPC add-on version **1.1-beta**For more information, see the [change log](#).Block Storage for VPC add-on versions **5.0.12-1963** and **5.1.0-1970**.For more information, see the [change log](#).

10 May 2023

Create Classic and VPC clusters with Terraform

For more information, see [Creating a single-zone classic cluster with Terraform](#) and [Creating a VPC cluster with Terraform](#).

9 May 2023

Worker node fix packs **1.24.13-1567**, **1.25.9-1544**, and **1.26.4-1536**.For more information, see the change logs: [1.24](#), [1.25](#), and [1.26](#).

4 May 2023

Ingress ALB version **1.6.4-4117-1ks**, **1.5.1-4113-1ks**, and **1.4.0-4114-1ks**For more information, see the [change log](#).

2 May 2023

IBM Cloud Object Storage plug-in version **2.2.14**For more information, see the [change log](#).

April 2023

27 April 2023

Ingress ALB version **1.6.4-4073-1ks**, **1.5.1-4064-1ks**, and **1.4.0-4062-1ks**For more information, see the [change log](#).Master fix packs **1.23.17-1576**, **1.24.13-1566**, **1.25.9-1543**, and **1.26.4-1535**.For more information, see the change logs: [1.23](#), [1.24](#), [1.25](#), and [1.26](#).

26 April 2023

Cluster autoscaler add-on version **1.1.0-1060**.For more information, see the [change log](#).

24 April 2023

Worker node fix packs **1.23.17-1576**, **1.24.13-1566**, **1.25.9-1543**, and **1.26.4-1535**.For more information, see the change logs: [1.23](#), [1.24](#), [1.25](#), and [1.26](#).

20 April 2023

Istio add-on version **1.16.4** and **1.17.2**.For more information, see the [change log](#).

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20 April 2023

Istio add-on version [1.16.4](#) and [1.17.2](#) .For more information, see the [change log](#).

13 April 2023

ALB OAuth Proxy add-on version [2.0.0\\_1528](#) .For more information, see the [change log](#).

12 April 2023

Ingress ALB version [1.6.4\\_3976\\_1ks](#) , [1.5.1\\_3977\\_1ks](#) , and [1.4.0\\_3978\\_1ks](#) .For more information, see the [change log](#).

11 April 2023

CLI version [1.0.510](#) .For more information, see the [change log](#).Worker node fix packs [1.23.17\\_1574](#) , [1.24.12\\_1564](#) , [1.25.8\\_1541](#) , and [1.26.3\\_1533](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .

5 April 2023

Cluster autoscaler add-on versions [1.0.6\\_1010](#) , [1.0.7\\_1021](#) , and [1.0.8\\_1016](#) .For more information, see [the change log](#).Block Storage for VPC add-on versions [5.0.10\\_1869](#) and [5.1.6\\_1872](#) .For more information, see [the change log](#).

4 April 2023

Ingress ALB version [1.4.0\\_3953\\_1ks](#) , [1.5.1\\_3951\\_1ks](#) , and [1.6.4\\_3947\\_1ks](#) .For more information, see the [change log](#).

3 April 2023

## Pod Security admission

You might need to check your Pod Security set up when you upgrade your cluster from  
version 1.24 to 1.25. For more information, see [Migrating from PSPs to Pod Security  
admission](#).

IBM Cloud Object Storage plug-in version [2.2.13](#)

**Important** Because there are changes to the storage classes installed with the plug-in, you  
must uninstall and reinstall the plug-in when you update to version [2.2.13](#) to get the latest  
storage class configurations. For more information, see the [change log](#).

March 2023

29 March 2023

Worker node fix packs [1.23.17\\_1572](#) , [1.24.12\\_1562](#) , [1.25.8\\_1539](#) , and [1.26.3\\_1531](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .Block Storage for VPC add-on versions [5.0.9\\_1862](#) and [5.1.5\\_1857](#) .For more information, see [the change log](#).Cluster autoscaler add-on versions [1.0.7\\_988](#) and [1.0.8\\_987](#) .For more information, see [the change log](#).

28 March 2023

Master fix packs [1.23.17\\_1569](#) , [1.24.12\\_1559](#) , [1.25.8\\_1536](#) , and [1.26.3\\_1528](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .Worker node fix packs [1.23.17\\_1570](#) , [1.24.12\\_1560](#) , [1.25.8\\_1537](#) , and [1.26.3\\_1529](#) .

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**Master fix packs** [1.23.17\\_1569](#) , [1.24.12\\_1559](#) , [1.25.8\\_1536](#) , and [1.26.3\\_1528](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .**Worker node fix packs** [1.23.17\\_1570](#) , [1.24.12\\_1560](#) , [1.25.8\\_1537](#) , and [1.26.3\\_1529](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .

24 March 2023

**Ingress ALB version** [1.4.0\\_3896\\_1ks](#) , [1.5.1\\_3897\\_1ks](#) , and [1.6.4\\_3898\\_1ks](#) |For more information, see the [change log](#) .

21 March 2023

**New troubleshooting steps for workers in** [Critical](#) or [NotReady](#) state.For more information, see [Troubleshooting worker nodes in Critical or NotReady state](#) .

20 March 2023

**IBM Cloud Object Storage plug-in version** [2.2.12](#) .For more information, see the [change log](#) .

16 March 2023

**Cluster autoscaler add-on version** [1.1.0\\_978](#) .For more information, see [the change log](#) .

14 March 2023

**Ingress ALB version** [1.4.0\\_3862\\_1ks](#) , [1.5.1\\_3863\\_1ks](#) , and [1.6.4\\_3864\\_1ks](#) |For more information, see the [change log](#) .**Worker node fix packs** [1.23.16\\_1568](#) , [1.24.10\\_1558](#) , [1.25.6\\_1535](#) , and [1.26.1\\_1525](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .

9 March 2023

**Cluster autoscaler add-on version** [1.0.0\\_960](#)For more information, see [the change log](#) .**Istio add-on version** [1.15.6](#) and [1.16.3](#) .For more information, see the [change log](#) .

7 March 2023

**Worker node fix packs** [1.23.16\\_1567](#) , [1.24.10\\_1557](#) , [1.25.6\\_1534](#) , and [1.26.1\\_1524](#) .For more information, see the change logs: [1.23](#) , [1.24](#) , [1.25](#) , and [1.26](#) .**Cluster autoscaler add-on version** [1.0.6\\_955](#) and [1.0.7\\_956](#) .For more information, see [the change log](#) .**Istio add-on version** [1.17.1](#) .For more information, see the [change log](#) .**Block Storage for VPC add-on versions** [4.4.17\\_1829](#) , [5.0.7\\_1836](#) , and [5.1.2\\_1828](#) .For more information, see [the change log](#) .

3 March 2023

**IBM Cloud Object Storage plug-in version** [2.2.10](#) .For more information, see the [change log](#) .

1 March 2023

**CLI version** [1.0.498](#) .For more information, see the [change log](#) .

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CLI version | 1.0.498 |

For more information, see the [change log](#).

ALB OAuth Proxy add-on version | 2.0.0\_1487 |

For more information, see the [change log](#).

## February 2023

27 February 2023

Worker node fix packs | 1.23.16\_1563 , 1.24.10\_1554 , 1.25.6\_1532 , and 1.26.1\_1522 .

For more information, see the change logs: [1.23](#), [1.24](#), [1.25](#), and [1.26](#).

23 February 2023

Ingress ALB version | 1.3.1\_3807\_1ks , 1.4.0\_3888\_1ks , and 1.5.1\_3889\_1ks |

For more information, see the [change log](#).

22 February 2023

ALB OAuth Proxy add-on version | 2.0.0\_1469 |

For more information, see the [change log](#).

21 February 2023

IBM Cloud Object Storage plug-in version | 2.2.10 .

For more information, see the [change log](#).

Block Storage for VPC add-on versions | 4.4.17\_1829 , 5.0.7\_1836 , and 5.1.2\_1828 .

For more information, see [the change log](#).

20 February 2023

Ingress ALB version | 1.3.1\_3777\_1ks , 1.4.0\_3783\_1ks , and 1.5.1\_3779\_1ks |

For more information, see the [change log](#).

17 February 2023

Cluster autoscaler add-on version | 1.0.7\_944 .

For more information, see [the change log](#).

14 February 2023

Istio add-on | 1.16.6 and 1.16.2

For more information, see the [change log](#).

13 February 2023

IBM Cloud Object Storage plug-in version | 2.2.9 | is available.

For more information, see the [change log](#).

Worker node fix packs | 1.23.16\_1562 , 1.24.10\_1553 , 1.25.6\_1531 , and 1.26.1\_1521 .

For more information, see the change logs: [1.23](#), [1.24](#), [1.25](#), and [1.26](#).

10 February 2023

New troubleshooting doc for how to recover after deleting a portable subnet in Classic clusters.

For more information, see [I deleted a portable subnet and now my Classic cluster my Load Balancers are failing. How do I recover?](#)

Ingress ALB version | 1.3.1\_3754\_1ks and 1.4.0\_3755\_1ks |

For more information, see the [change log](#).

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For more information, see [I deleted a portable Kubernetes cluster and now my Classic cluster my Load Balancers are failing. How do I recover?](#).

Ingress ALB version [1.3.1\\_3754\\_1ks](#) and [1.4.0\\_3755\\_1ks](#)

For more information, see the [change log](#).

9 February 2023

Block Storage for VPC add-on version [5.1](#) .

For more information, see the [change log](#).

8 February 2023

ALB OAuth Proxy add-on version [2.0.0\\_1420](#) .

For more information, see the [change log](#).

2 February 2023

Istio add-on [1.14](#) .

Version [1.14](#) of the managed Istio add-on is no longer supported. For more information, see the [change log](#).

1 February 2023

## New! Kubernetes 1.26

You can create or [update clusters to Kubernetes version 1.26](#). With Kubernetes 1.26, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

## Master fix pack

Kubernetes [1.26.1\\_1519](#).

## Worker node fix pack

Kubernetes [1.26.1\\_1520](#)

## Persistent VPC load balancers

You can now create a [persistent VPC load balancer](#) that remains available even after your cluster is deleted.

## Customized VPC load balancer health checks

For more control over your VPC load balancer health checks, you can use [optional annotations](#) to customize your health checks with advanced configurations for test intervals, timeouts, and retries.

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30 January 2023

Master fix packs [1.23.16\\_1560](#) , [1.24.10\\_1551](#) , and [1.25.6\\_1529](#) .

For more information, see the change logs: [1.23](#), [1.24](#), and [1.25](#).

Worker node fix packs [1.23.16\\_1561](#) , [1.24.10\\_1552](#) , and [1.25.6\\_1530](#) .

For more information, see the change logs: [1.23](#), [1.24](#), and [1.25](#).

## New! Optional secondary disks for worker nodes in VPC clusters.

When you create a VPC cluster, you can specify an optional secondary disk for your worker nodes. Secondary disks are used for the container runtime and are useful in scenarios where more container storage is needed, such as running pods with large images. For more information, see [Creating VPC clusters](#).

CLI version [1.0.489](#) .

For more information, see the [change log](#).

Ingress ALB version [1.5.1\\_3705\\_1ks](#) , [1.4.0\\_3703\\_1ks](#) , and [1.3.1\\_3704\\_1ks](#) .

For more information, see the [change log](#).

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Ingress ALB version 1.5.1\_3705\_1ks, 1.4.0\_3703\_1ks, and 1.3.1\_3704\_1ks.

For more information, see the [change log](#).

24 January 2023

CLI version 1.0.487 change log update

The [CLI change log](#) is updated for version 1.0.487.

Block Storage for VPC add-on versions 4.4.16\_1779 and 5.0.5\_1704.

For more information, see [the change log](#).

Cluster autoscaler add-on version 1.0.7\_940.

For more information, see [the change log](#).

Ingress ALB version 1.3.1\_3685\_1ks, 1.4.0\_3684\_1ks, and 1.5.1\_3683\_1ks

For more information, see the [Ingress ALB change log](#).

23 January 2023

IBM Cloud Object Storage plug-in version 2.2.8 is available.

For more information, see the [change log](#).

16 January 2023

Worker node fix packs 1.23.15\_1588, 1.24.9\_1550, and 1.25.5\_1528.

For more information, see the change logs: [1.23](#), [1.24](#), and [1.25](#).

10 January 2023

Block Storage for VPC add-on versions 4.4.15\_1764 and 5.0.4\_1773

For more information, see [the change log](#).

Istio add-on versions 1.14.6, 1.15.4, and 1.16.1

For more information, see the [change log](#).

9 January 2023

Cluster autoscaler add-on versions 1.0.5\_898, 1.0.6\_899, 1.0.7\_900, and 1.1.0\_897.

For more information, see [Cluster autoscaler add-on change log](#).

5 January 2023

IBM Cloud Object Storage plug-in version 2.2.7 is available.

For more information, see the [change log](#).

3 January 2023

Ingress ALB version 1.3.1\_3538\_1ks, and 1.4.0\_3537\_1ks

For more information, see the [Ingress ALB change log](#).

2 January 2023

Worker node fix packs 1.22.17\_1584, 1.23.15\_1557, 1.24.9\_1549, and 1.25.5\_1527

For more information, see the change logs: [1.22](#), [1.23](#), [1.24](#), and [1.25](#).

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19 December 2022

Worker node fix packs 1.22.17\_1583, 1.23.15\_1556, 1.24.9\_1548, and 1.25.5\_1526

For more information, see the change logs: [1.22](#), [1.23](#), [1.24](#), and [1.25](#).

15 December 2022

IBM Cloud Object Storage plug-in version 2.2.6 is available.

For more information, see the [change log](#).

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## 15 December 2022

IBM Cloud Object Storage plug-in version [2.2.6](#) is available.

For more information, see the [change log](#).

Ingress ALB version [1.2.1\\_3299\\_1ks](#), [1.3.1\\_3298\\_1ks](#), and [1.4.0\\_3297\\_1ks](#)

For more information, see the [Ingress ALB change log](#).

ALB OAuth Proxy add-on version [2.0.0\\_1354](#)

For more information, see the [change log](#).

## 14 December 2022

Master fix pack [1.22.17\\_1582](#), [1.23.15\\_1555](#), [1.24.9\\_1547](#), and [1.25.5\\_1525](#)

For more information, see the change logs: [1.22](#), [1.23](#), [1.24](#), and [1.25](#).

Ubuntu 20 is now available for IBM Cloud Kubernetes Service clusters

You can now create IBM Cloud Kubernetes Service clusters using Ubuntu 20 worker nodes. To review the migration guide, see [Migrating to a new Ubuntu version](#). To review operating system support by cluster version, see [IBM Cloud Kubernetes Service version information](#).

CLI version [1.0.480](#) change log update

The [CLI change log](#) is updated for version 1.0.480.

## 12 December 2022

Ingress ALB version [1.4.0\\_3212\\_1ks](#) change log updates

For more information, see the [Ingress ALB change log](#).

## 9 December 2022

IBM Cloud Object Storage plug-in version [2.2.5](#) is available.

For more information, see the [change log](#).

## 8 December 2022

Ingress ALB version [1.3.1\\_3192\\_1ks](#) change log updates

For more information, see the [Ingress ALB change log](#).

## 5 December 2022

IBM Cloud Object Storage plug-in version [2.2.4](#) is available.

For more information, see the [change log](#).

Ingress ALB version [1.2.1\\_3186\\_1ks](#) change log updates

For more information, see the [Ingress ALB change log](#).

Worker node fix packs [1.22.16\\_1580](#), [1.23.14\\_1554](#), [1.24.8\\_1546](#), and [1.25.4\\_1524](#)

For more information, see the change logs: [1.22.16\\_1580](#), [1.23.14\\_1554](#), [1.24.8\\_1546](#), and [1.25.4\\_1524](#).

## 1 December 2022

CLI version [1.0.471](#) change log update

The [CLI change log](#) is updated for version 1.0.471.

## November 2022

## 30 November 2022

Istio add-on version [1.16.0](#)

For more information, see the [change log](#).

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version [1.3.1\\_3188\\_1ks](#).

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Istio add-on version 1.16.0

For more information, see the [change log](#).

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version [1.3.1\\_3168\\_1ks](#).

21 November 2022

Worker node fix pack 1.22.16\_1579, 1.23.14\_1553, 1.24.8\_1545, and 1.25.4\_1523

For more information, see the change logs: [1.22.16\\_1579](#), [1.23.14\\_1553](#), [1.24.8\\_1545](#), and [1.25.4\\_1523](#).

17 November 2022

Block Storage for VPC add-on versions [4.4.13\\_1712](#) and [5.0.2\\_1713](#)For more information, see the [change log](#).

16 November 2022

ALB OAuth Proxy add-on version 2.0.0\_1315

For more information, see the [change log](#).

Master fix pack 1.22.16\_1578, 1.23.14\_1552, 1.24.8\_1544, and 1.25.4\_1522

For more information, see the change logs: [1.22](#), [1.23](#), [1.24](#), and [1.25](#).

15 November 2022

## New Ingress status messages

You can now use the `ibmcloud ks ingress status-report get` command to view your Ingress status. For more information, see [Checking the status of Ingress components](#).

IBM Cloud Object Storage plug-in version 2.2.3 is available.

For more information, see the [change log](#).

11 November 2022

Block Storage for VPC add-on version [4.3.8\\_1705](#)For more information, see the [change log](#).

10 November 2022

Istio add-on version 1.15.3

For more information, see the [change log](#).

9 November 2022

Block Storage for VPC add-on version [4.4.12\\_1700](#) and [5.0.1\\_1695](#)For more information, see the [change log](#).

8 November 2022

IBM Cloud Object Storage plug-in version 2.2.2 is available.

For more information, see the [change log](#).

7 November 2022

Worker node fix pack 1.22.15\_1577, 1.23.13\_1551, 1.24.7\_1543, and 1.25.3\_1521

For more information, see the change logs: [1.22.15\\_1577](#), [1.23.13\\_1551](#), [1.24.7\\_1543](#), and [1.25.3\\_1521](#).

3 November 2022

Changes to the Portworx update process beginning with version 2.12

Beginning with version 2.12 Portworx uses an operator-based deployment model instead of the Helm based model use in version 2.11 and earlier. If you want to update from Portworx 2.11 to version 2.12, follow the migration steps in the [Portworx documentation](#).

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## Cluster autoscaler add-on version 1.0.7\_003

For more information, see [Cluster autoscaler add-on change log](#).

## October 2022

31 October 2022

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version 1.3.0\_2907\_1ks.

27 October 2022

## ALB OAuth Proxy add-on version 2.0.0\_1297

For more information, see the [change log](#).

## Master fix pack 1.22.15\_1576, 1.23.13\_1550, 1.24.7\_1542, and 1.25.3\_1520

For more information, see the change logs: [1.22](#), [1.23](#), [1.24](#), and [1.25](#).

26 October 2022

## Worker node fix pack 1.22.15\_1575, 1.23.12\_1549, 1.24.6\_1541, and 1.25.2\_1519

For more information, see the change logs: [1.22.15\\_1575](#), [1.23.12\\_1549](#), [1.24.6\\_1541](#), and [1.25.2\\_1519](#).

25 October 2022

## Istio add-on

Versions [1.13.9](#), [1.14.5](#), and [1.15.2](#) are available.

24 October 2022

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.3.0\\_2847\\_1ks](#), [1.2.1\\_2809\\_1ks](#), and [1.1.2\\_2808\\_1ks](#).

21 October 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.459.

12 October 2022

## Istio add-on

Version [1.15.1](#) is available.

11 October 2022

## Block Storage for VPC add-on version 5.0

For more information, see [the change log](#).

10 October 2022

## Worker node fix pack

Kubernetes [1.22.15\\_1574](#), [1.23.12\\_1548](#) and [1.24.6\\_1540](#).

## Cluster autoscaler add-on version 1.0.6\_820

For more information, see [Cluster autoscaler add-on change log](#).

7 October 2022

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Cluster autoscaler add-on version **1.0.6\_828**.For more information, see [Cluster autoscaler add-on change log](#).

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7 October 2022

Kubernetes version 1.25 certification

Version [1.25](#) release is now certified.

6 October 2022

New! Kubernetes 1.25

You can create or [update clusters](#) to [Kubernetes version 1.25](#). With Kubernetes 1.25, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

Master fix pack

Kubernetes [1.25.2](#) [1517](#).

Worker node fix pack

Kubernetes [1.25.2](#) [1516](#)

4 October 2022

Istio add-on

Version [1.14.4](#) and version [1.13.8](#) are available.

3 October 2022

CLI change log update

The [CLI change log](#) is updated for version 1.0.454.

Ingress ConfigMap change log updates

Updated the [Ingress ConfigMap change log](#).

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.1\\_2646\\_1ks](#) and [1.1.2\\_2645\\_1ks](#).

ALB OAuth Proxy add-on

Version 2.0.0\_1265 of the [ALB OAuth Proxy add-on](#) is released.

September 2022

30 September 2022

New! Enabling Flow logs for VPC components

Flow logs gather information about the traffic entering or leaving your VPC cluster worker nodes. For more information, see [Enabling Flow Logs for VPC cluster components](#).

26 September 2022

Worker node fix pack

Kubernetes [1.21.14\\_1578](#), [1.22.15\\_1573](#), [1.23.12\\_1547](#) and [1.24.6\\_1539](#).

23 September 2022

Block Storage for VPC add-on version **4.4.11\_1614**.For more information, see [the change log](#).

22 September 2022

Cluster autoscaler add-on versions **1.1.0\_798**, **1.0.6\_808**, and **1.0.6\_779**.For more information, see [Cluster autoscaler add-on change log](#).Block Storage for VPC add-on version **4.3.7\_1613**.For more information, see [the change log](#).

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Cluster autoscaler add-on versions [1.1.0\\_798](#), [1.0.6\\_808](#), and [1.0.6\\_779](#).For more information, see [Cluster autoscaler add-on change log](#).Block Storage for VPC add-on version [4.3.7\\_1613](#).For more information, see [the change log](#).

21 September 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.452.

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.1\\_2558\\_iks](#) and [1.1.2\\_2586\\_iks](#).

20 September 2022

IBM Cloud Object Storage plug-in version [2.2.1](#) is available.For more information, see the [change log](#).

15 September 2022

## Istio add-on

Version [1.15.0](#) is available.

13 September 2022

Block Storage for VPC add-on version [4.4.10\\_1578](#) is available.For more information, see [version 4.4.10\\_1578](#).

## New! vGPU worker node flavors are now available for VPC Gen 2.

For more information about the available worker node flavors, see [VPC Gen 2 flavors](#). Worker node flavors with vGPU support are the [gx2](#) flavor class, for example: [gx2.16x128.2v100](#). IBM Cloud VPC worker nodes with GPUs are available for allowlisted accounts only. To request that your account be allowlisted, see [Requesting access to allowlisted features](#). Be sure to include the data centers, the VPC infrastructure profile, and the number of workers that you want use. For example [12 worker nodes in us-east-1 of VPC profile gx2-16x128xv100](#).

12 September 2022

Block Storage for VPC add-on version [4.3.6\\_1579](#) is available.For more information, see [version 4.3.6\\_1579](#).IBM Cloud Object Storage plug-in version [2.2.0](#) is available.For more information, see the [change log](#).

## CLI change log update

The [CLI change log](#) is updated for version 1.0.446.

## ALB OAuth Proxy add-on

Version 2.0.0\_1214 of the [ALB OAuth Proxy add-on](#) is released.

8 September 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.444.

7 September 2022

## Master fix pack update

Kubernetes [1.24.4\\_1536](#), [1.23.10\\_1544](#), [1.22.13\\_1570](#), and [1.21.14\\_1579](#).

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31 August 2022

## Cluster autoscaler add-on

Versions [1.0.5\\_775](#), [1.0.6\\_774](#), and [1.1.0\\_776](#) are available. See [Cluster autoscaler add-on change log](#).

29 August 2022

## Worker node fix pack

Kubernetes [1.21.14\\_1578](#), [1.22.13\\_1568](#), [1.23.10\\_1543](#) and [1.24.4\\_1535](#).

26 August 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.439.

25 August 2022

## Block Storage for VPC add-on version 4.4.9\_1566 is available.

For more information, see [version 4.4.9\\_1566](#)

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.1\\_2506\\_1ks](#) and [1.1.2\\_2507\\_1ks](#).

24 August 2022

## Block Storage for VPC add-on version 4.3.5\_1563 is available.

For more information, see [version 4.3.5\\_1563](#)

## IBM Cloud Object Storage plug-in version 2.1.21 is available.

For more information, see the [change log](#).

17 August 2022

## IBM Cloud Object Storage plug-in version 2.1.20 is available.

For more information, see the [change log](#).

## Cluster autoscaler add-on

Versions [1.0.5\\_754](#) and [1.0.6\\_763](#) are available. See [Cluster autoscaler add-on change log](#).

16 August 2022

## Worker node fix pack

Kubernetes [1.21.14\\_1576](#), [1.22.12\\_1566](#), [1.23.9\\_1541](#) and [1.24.3\\_1533](#).

## Istio add-on

Version [1.14.3](#) and [1.13.7](#) is available.

11 August 2022

## Dynamically provision IBM Cloud Object Storage buckets with quotas enabled

[Follow the tutorial](#) to set up the IBM Cloud Object Storage plug-in to automatically set quotas on buckets that are provisioned with PVCs.

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.1\\_2487\\_1ks](#) and [1.1.2\\_2486\\_1ks](#).

5 August 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.433.

3 August 2022

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5 August 2022

CLI change log update

The [CLI change log](#) is updated for version 1.0.433.

3 August 2022

New! IBM Cloud File Storage for VPC CSI Driver (Beta)

You can now enable the IBM Cloud File Storage for VPC add-on in your clusters. For more information, see [Enabling the IBM Cloud File Storage for VPC add-on](#).

2 August 2022

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.1\\_2426\\_1ks](#) and [1.1.2\\_2411\\_1ks](#).

1 August 2022

Worker node fix pack

Kubernetes [1.21.14\\_1575](#), [1.22.12\\_1565](#), [1.23.9\\_1540](#) and [1.24.3\\_1532](#).

July 2022

27 July 2022

IBM Cloud Object Storage plug-in version [2.1.19](#) is available.

For more information, see the [change log](#).

26 July 2022

Master fix pack update

Kubernetes [1.24.3\\_1531](#), [1.23.9\\_1539](#), [1.22.12\\_1564](#), and [1.21.14\\_1574](#).

22 July 2022

Cluster autoscaler add-on

Version [1.1.0\\_729](#) is available. See [Cluster autoscaler add-on change log](#).

19 July 2022

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.1.2\\_2368\\_1ks](#) and [1.2.1\\_2415\\_1ks](#).

Cluster autoscaler add-on

Version [1.0.5\\_728](#) is available. See [Cluster autoscaler add-on change log](#).

18 July 2022

Block Storage for VPC add-on.

[Version 4.3.4\\_1551](#) and [Version 4.4.8\\_1550](#) are available.

Worker node fix pack

Kubernetes [1.21.14\\_1572](#), [1.22.11\\_1562](#), [1.23.8\\_1537](#) and [1.24.2\\_1529](#).

15 July 2022

CLI change log update

The [CLI change log](#) is updated for version 1.0.431.

Cluster autoscaler add-on

Versions [1.0.6\\_742](#) is available. See [Cluster autoscaler add-on change log](#).

14 July 2022

Cross-account encryption

You can now set up cross-account encryption. Note that this feature is available for

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14 July 2022

## Cross-account encryption

You can now set up cross-account encryption. Note that this feature is available for allowlisted accounts only. For more information see, [Encrypting the Kubernetes secrets by using a KMS provider](#).

## IBM Cloud Object Storage plug-in

Version [2.1.18](#) of the IBM Cloud Object Storage plug-in [is available](#).

## Block Storage for VPC add-on.

Version [5.0.1-beta\\_1411](#) is available.

13 July 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.430.

7 July 2022

## ALB OAuth Proxy add-on

Version 2.0.0\_1187 of the [ALB OAuth Proxy add-on](#) is released.

5 July 2022

## Worker node fix pack

Kubernetes 1.21.14\_1565, [1.22.11\\_1557](#), [1.23.8\\_1535](#) and [1.24.2\\_1527](#).

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version [1.1.2\\_2385\\_1ks](#). Version [0.49.3](#) is no longer supported.

June 2022

30 June 2022

## Cluster autoscaler add-on

Versions [1.0.5\\_694](#) and [1.1.0\\_682](#) are available. See [Cluster autoscaler add-on change log](#).

28 June 2022

## IBM Cloud Object Storage plug-in

Version [2.1.17](#) of the IBM Cloud Object Storage plug-in [is available](#).

27 June 2022

## Block Storage for VPC

You can now [set up the Block Storage for VPC add-on with Cloud Identity and Access Management trusted profiles](#).

24 June 2022

## Block Storage for VPC

You can now [create snapshots of your PVCs](#) by using version [5.0.0-beta](#) of the Block Storage for VPC add-on.

## Block Storage for VPC add-on.

[Version 4.4.6\\_1446](#) is available.

22 June 2022

## New! Portworx Cloud Drive support

You can now dynamically provision storage for Portworx during installation by using Portworx Cloud Drives. For more information, see [About Portworx](#).

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New! Portworx Cloud Drive support

You can now dynamically provision storage for Portworx during installation by using Portworx Cloud Drives. For more information, see [About Portworx](#).

21 June 2022

Istio add-on

Version [1.13.5](#) and [1.12.8](#) is available.

20 June 2022

Worker node fix pack

Kubernetes [1.21.14\\_1564](#), [1.22.11\\_1556](#), [1.23.8\\_1534](#) and [1.24.2\\_1526](#).

17 June 2022

Block Storage for VPC add-on.

[Version 4.3.2\\_1441](#) is available.

16 June 2022

Certified Kubernetes

Version [1.24](#) release is now certified.

Version 1.20 is unsupported as of 19 June 2022

Update your cluster to a supported as soon as possible. For more information, see the [1.20 release information](#) and change log. For more information about the supported releases, see the [version information](#).

Istio add-on

Version [1.14.1](#) is available.

15 June 2022

IBM Cloud Monitoring metrics and label updates

Metrics and labels are now stored and displayed in a Prometheus compatible naming convention. Some metrics and labels are deprecated. For more information, see [Discontinued Metrics and Labels](#) and [removed features](#).

Block Storage for VPC add-on.

[Version 5.0.1-beta\\_1411](#) is available for allowlisted accounts.

13 June 2022

Block Storage for VPC add-on.

[Version 4.4.5\\_1371](#) is available.

10 June 2022

Log Analysis and IBM Cloud Activity Tracker changes

IBM Cloud Kubernetes Service clusters running in Washington, D.C. ( `us-east` ) now send logs to Log Analysis and IBM Cloud Activity Tracker instances in the same region, Washington, D.C. ( `us-east` ). For more information, see [IBM Cloud Activity Tracker](#).

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version `1.2.1_2337_1ks`.

Block Storage for VPC add-on.

[Version 5.0.0-beta\\_1125](#) is available for allowlisted accounts.

9 June 2022

New! Kubernetes 1.24

You can create or [update clusters to Kubernetes version 1.24](#). With Kubernetes 1.24, you get the latest stable enhancements from the Kubernetes community as well as enhancements to

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9 June 2022

New! Kubernetes 1.24

You can create or [update clusters to Kubernetes version 1.24](#). With Kubernetes 1.24, you get the latest stable enhancements from the Kubernetes community as well as enhancements to the IBM Cloud product.

Deprecated and unsupported Kubernetes versions

With the release of Kubernetes 1.24, clusters that run version 1.21 are deprecated, with a tentative unsupported date of 31 Aug 2022. Update your cluster to at least [version 1.22](#) as soon as possible.

7 June 2022

CLI change log update

The [CLI change log](#) is updated for version 1.0.419.

6 June 2022

Worker node fix pack

Kubernetes 1.20.15\_1583, [1.22.10\\_1554](#), [1.23.7\\_1532](#).

3 June 2022

Master fix pack update

Kubernetes [1.23.7\\_1531](#), [1.22.10\\_1553](#), 1.21.13\_1561, and 1.20.15\_1582.

1 June 2022

Istio add-on

Version [1.13.4](#) is available.

May 2022

26 May 2022

CLI change log update

The [CLI change log](#) is updated for version 1.0.415.

25 May 2022

IBM Cloud Object Storage plug-in

Version [2.1.16](#) of the IBM Cloud Object Storage plug-in [is available](#).

Block Storage for VPC add-on.

[Version 4.3.0\\_1163](#) is available.

Block Storage for VPC add-on.

[Version 4.2.6\\_1161](#) is available.

20 May 2022

Worker node fix pack

Kubernetes 1.20.15\_1581, 1.21.12\_1560, [1.22.9\\_1552](#), [1.23.6\\_1530](#).

19 May 2022

Istio add-on

Version [1.12.7](#) is available.

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.0\\_2251\\_iks](#), [1.1.2\\_2252\\_iks](#), and [0.49.3\\_2253\\_iks](#).

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## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.2.0\\_2251\\_1ks](#) , [1.1.2\\_2252\\_1ks](#) , and [0.49.3\\_2253\\_1ks](#) .

16 May 2022

## Cluster autoscaler add-on

Versions [1.0.5\\_628](#) and [1.1.0\\_615](#) are available. See [Cluster autoscaler add-on change log](#).

## ALB OAuth Proxy add-on

Version 1.0.0 is no longer supported. For more information, see the [change log](#).

12 May 2022

## Block Storage for VPC add-on.

[Version 4.2.5\\_1106](#) is available.

9 May 2022

## Worker node fix pack

Kubernetes [1.20.15\\_1580](#), [1.21.12\\_1559](#), [1.22.9\\_1551](#), [1.23.6\\_1529](#).

6 May 2022

## IBM Cloud Object Storage plug-in

Version [2.1.15](#) of the IBM Cloud Object Storage plug-in is [available](#).

4 May 2022

## ALB OAuth Proxy add-on

Version 2.0.0\_1064 of the [ALB OAuth Proxy add-on](#) is released. Ingress ALB change log updates  
Updated the [Ingress ALB change log](#) for versions [1.2.0\\_2147\\_1ks](#) , [1.1.2\\_2146\\_1ks](#) , and [0.49.3\\_2145\\_1ks](#) .

3 May 2022

## Istio add-on

Version [1.13.3](#) is available.

April 2022

28 April 2022

## CLI change log update

The [CLI change log](#) is updated for version 1.0.404.

## Cluster security groups

You can now specify up to five security groups to attach to workers when you create a VPC cluster. For more information, see [Adding VPC security groups to clusters and worker pools during create time](#).

26 April 2022

## Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for version [1.2.0\\_2131\\_1ks](#) . Version [1.1.1](#) is no longer available.

## CLI change log update

The [CLI change log](#) is updated for version 1.0.403.

25 April 2022

## Worker node fix pack

Kubernetes [1.23.6\\_1528](#), [1.22.9\\_1550](#), [1.21.12\\_1558](#), [1.20.15\\_1579](#).

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Worker node fix pack

Kubernetes [1.23.6\\_1528](#), [1.22.9\\_1550](#), [1.21.12\\_1558](#), [1.20.15\\_1579](#).

21 April 2022

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.1.2\\_2121\\_1ks](#), [1.1.1\\_2119\\_1ks](#), and [0.49.3\\_2120\\_1ks](#).

19 April 2022

Istio add-on

Version [1.12.6](#) is available.

13 April 2022

IBM Cloud Object Storage plug-in

Version [2.1.14](#) of the IBM Cloud Object Storage plug-in [is available](#).

12 April 2022

Create and manage dedicated hosts in VPC Gen 2.

You can now create clusters on dedicated hosts in VPC Gen 2. Note that support for dedicated hosts is available only for allowlisted accounts. For more information, see [Creating and managing dedicated hosts](#).

11 April 2022

New! IBM Cloud® Secrets Manager

With the deprecation of IBM Cloud® Certificate Manager, you can now manage certificates and secrets with IBM Cloud® Secrets Manager. You can integrate your own Secrets Manager instances with your Kubernetes clusters. Secrets Manager instances can be used across multiple clusters, and a single cluster can have more than one instance.

Block Storage for VPC add-on.

[Version 4.2.3\\_983](#) is available.

Worker node fix pack

Kubernetes [1.23.5\\_1526](#), [1.22.8\\_1548](#), [1.21.11\\_1556](#), [1.20.15\\_1577](#).

7 April 2022

IBM Cloud Kubernetes Service clusters in Mexico City (MEX01) are deprecated and become unsupported later this year.

To prevent any interruption of service, [redeploy your cluster workloads to a supported data center](#) and remove your MEX01 clusters by 31 October 2022. Clusters remaining in these data centers after 31 October 2022 will be removed. You cannot create clusters in this location after 07 May 2022. For more information about data center closures and recommended data centers, see [Data center consolidations](#).

Ingress ALB change log updates

Updated the [Ingress ALB change log](#) for versions [1.1.2\\_2084\\_1ks](#), [1.1.1\\_2085\\_1ks](#), and [0.49.3\\_2083\\_1ks](#).

CLI change log update

The [CLI change log](#) is updated for version 1.0.394.

6 April 2022

Master fix pack update

Kubernetes [1.23.5\\_1525](#), [1.22.8\\_1547](#), [1.21.11\\_1555](#), and [1.20.15\\_1576](#).

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Master fix pack update

Kubernetes 1.23.5\_1525, 1.22.8\_1547, 1.21.11\_1555, and 1.20.15\_1576.

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